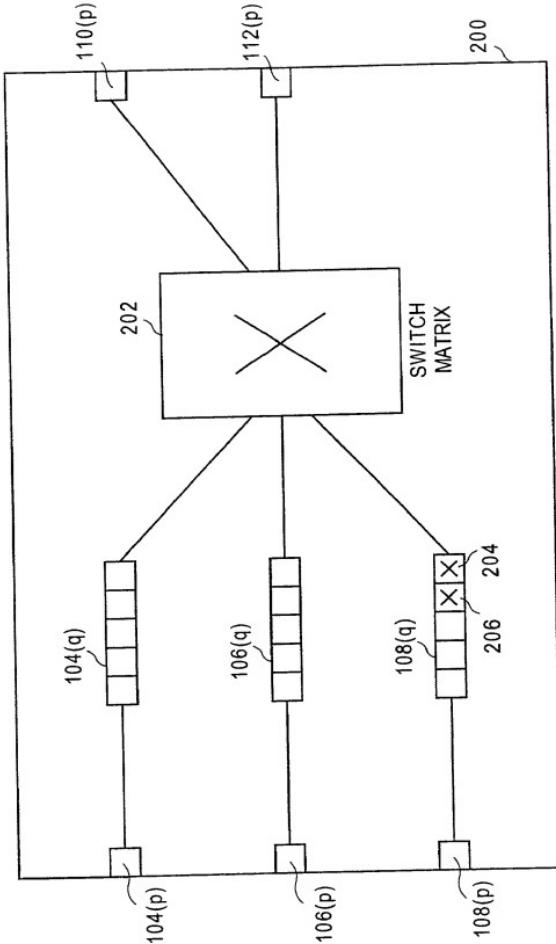
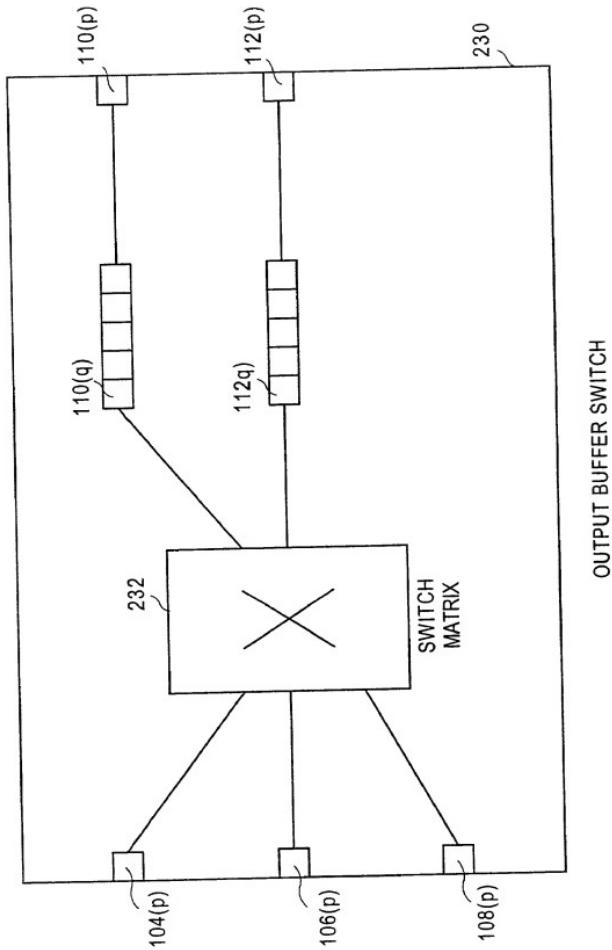


FIG. 1
(prior art)



INPUT BUFFER SWITCH

FIG. 2A
(prior art)



OUTPUT BUFFER SWITCH

FIG. 2B
(prior art)

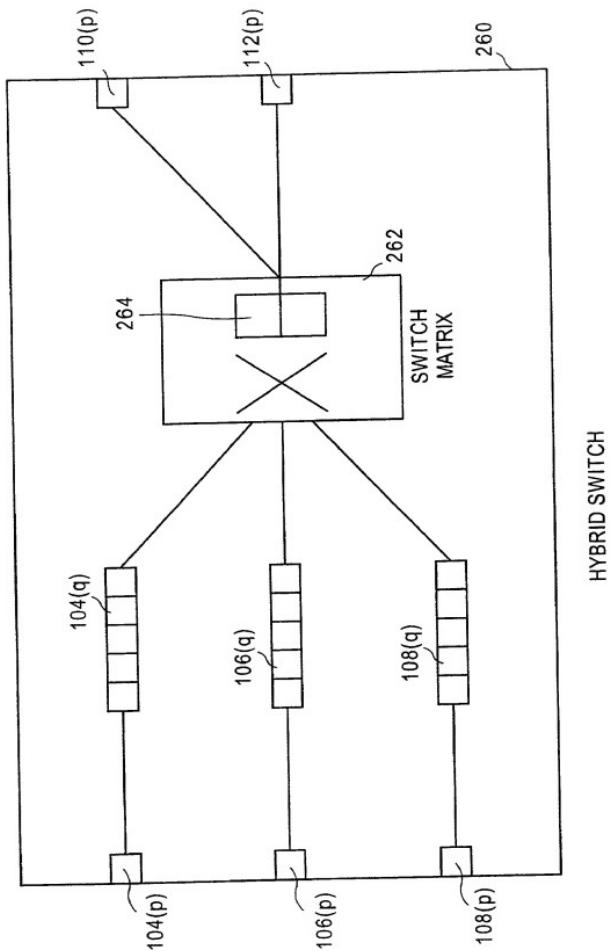


FIG. 2C
(prior art)

FIG. 3

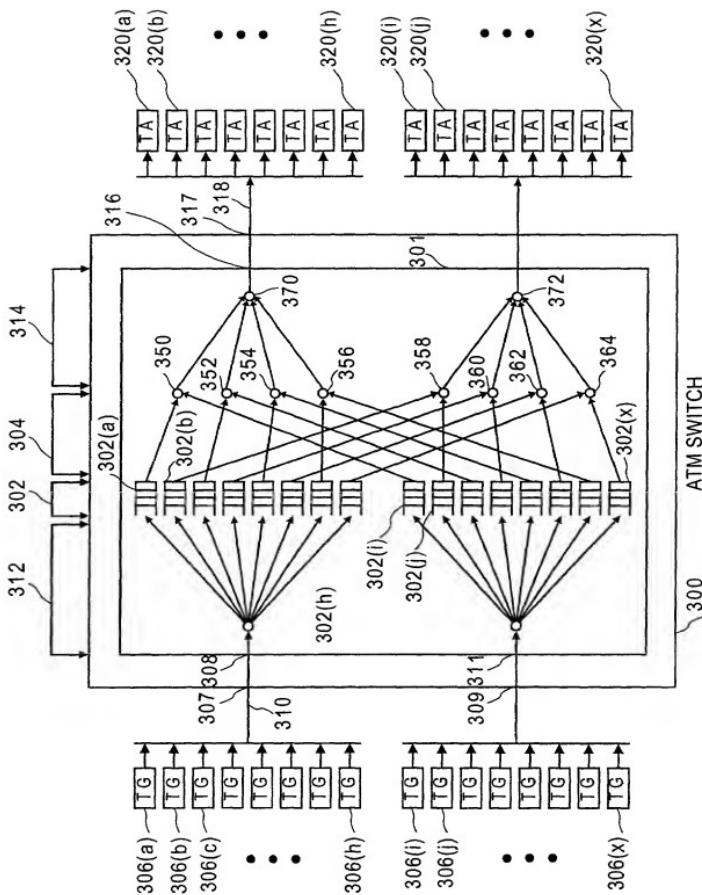


FIG. 4

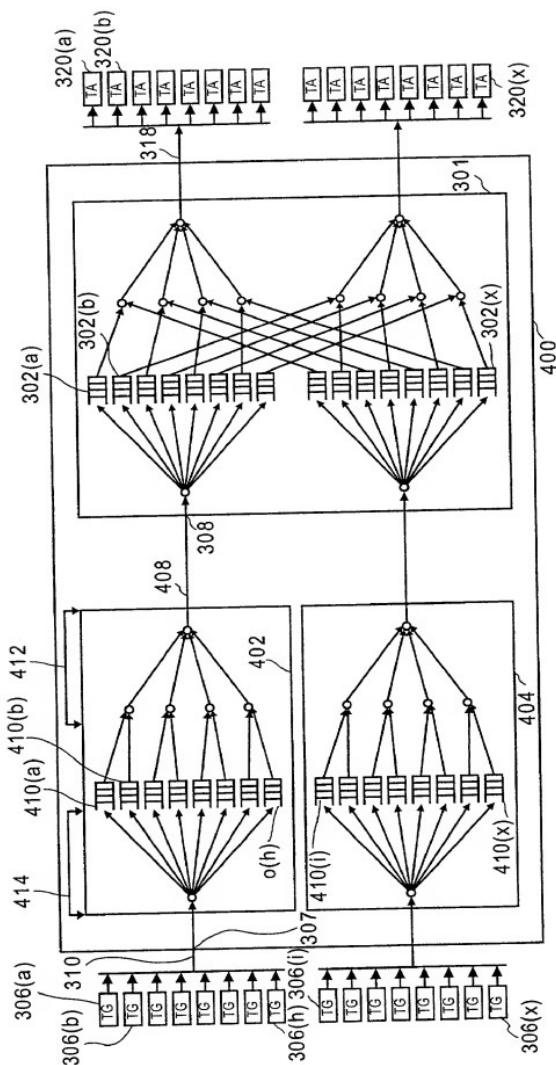
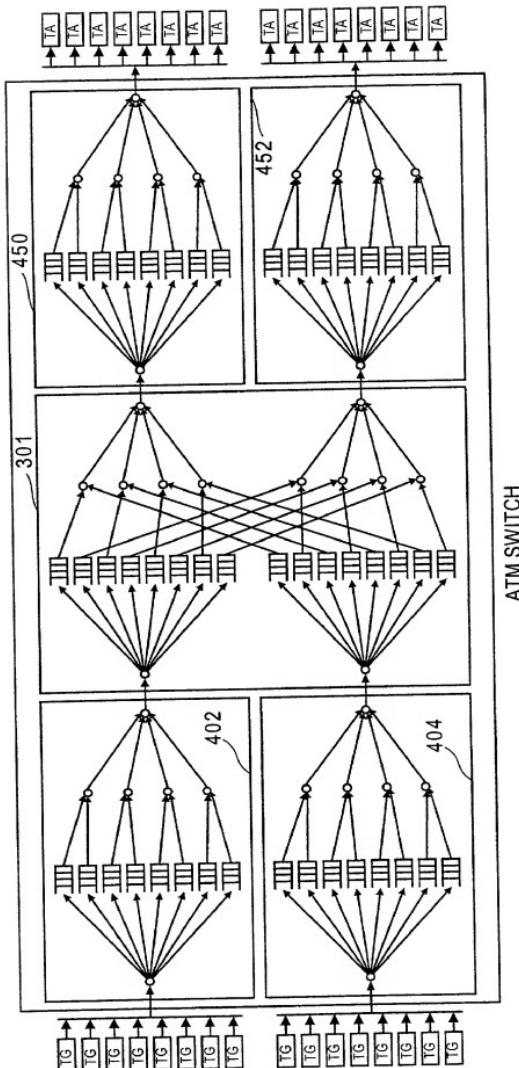


FIG. 5



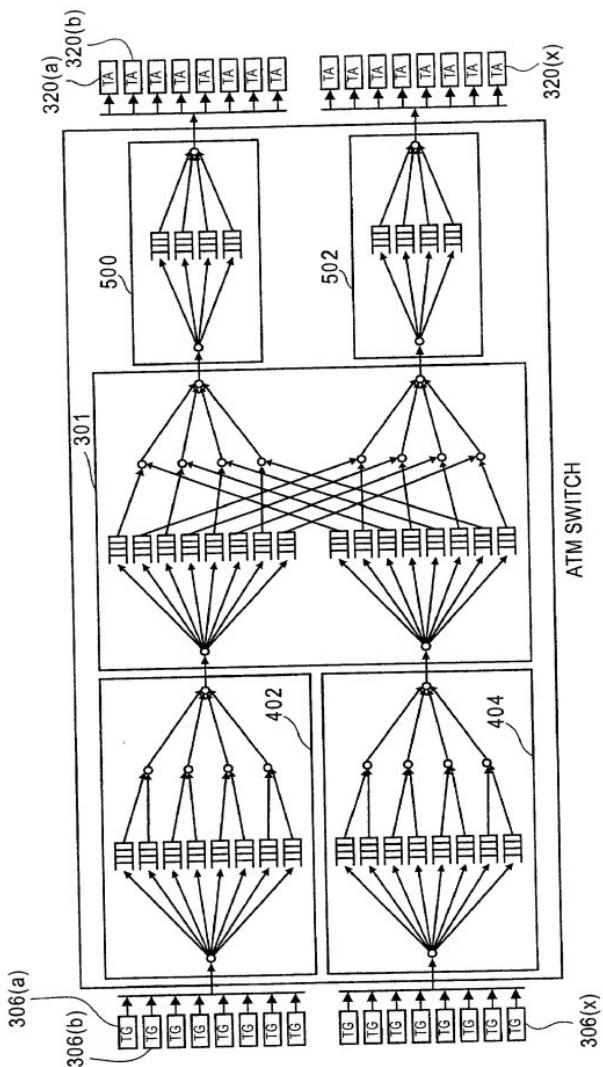


FIG. 6

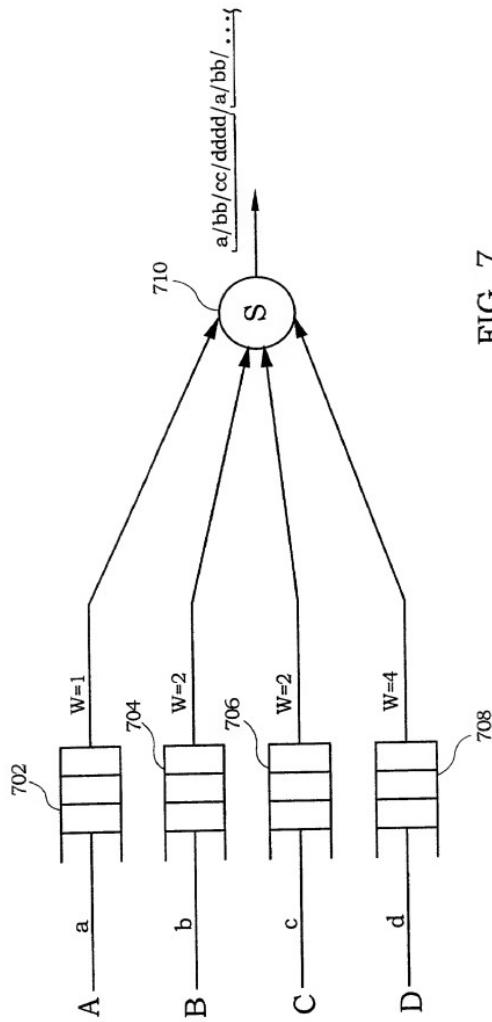


FIG. 7

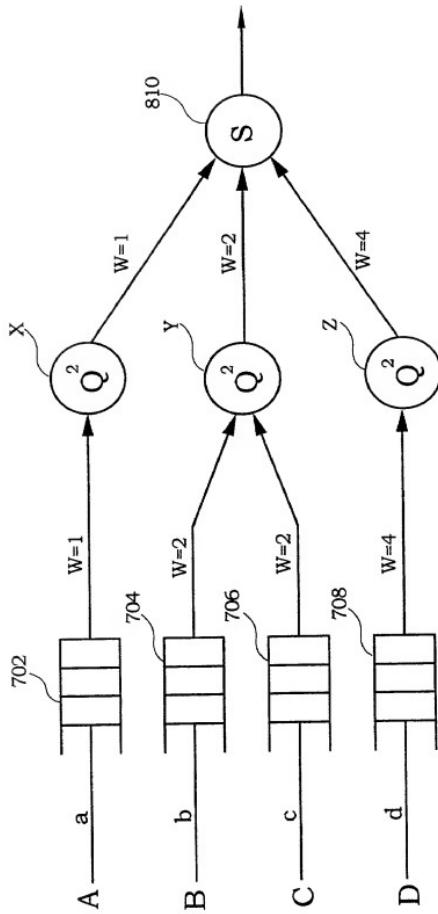


FIG. 8A

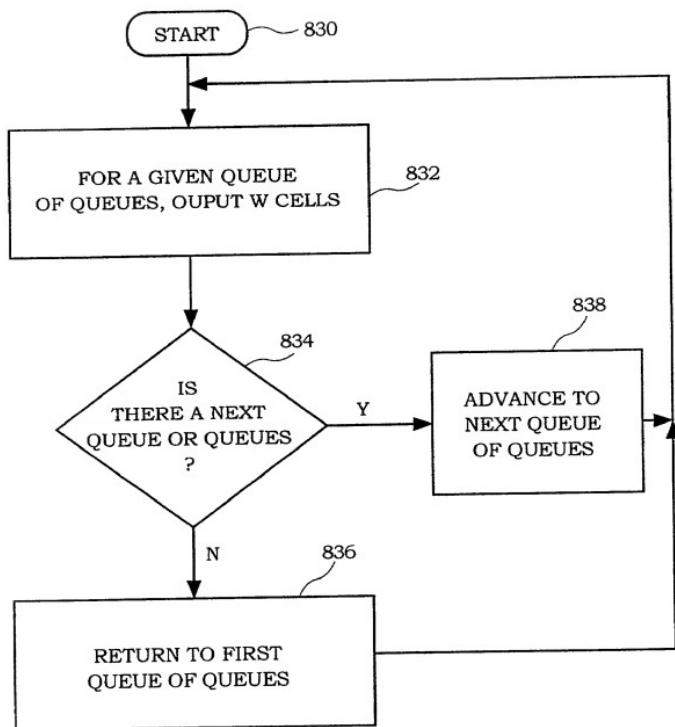


FIG. 8B

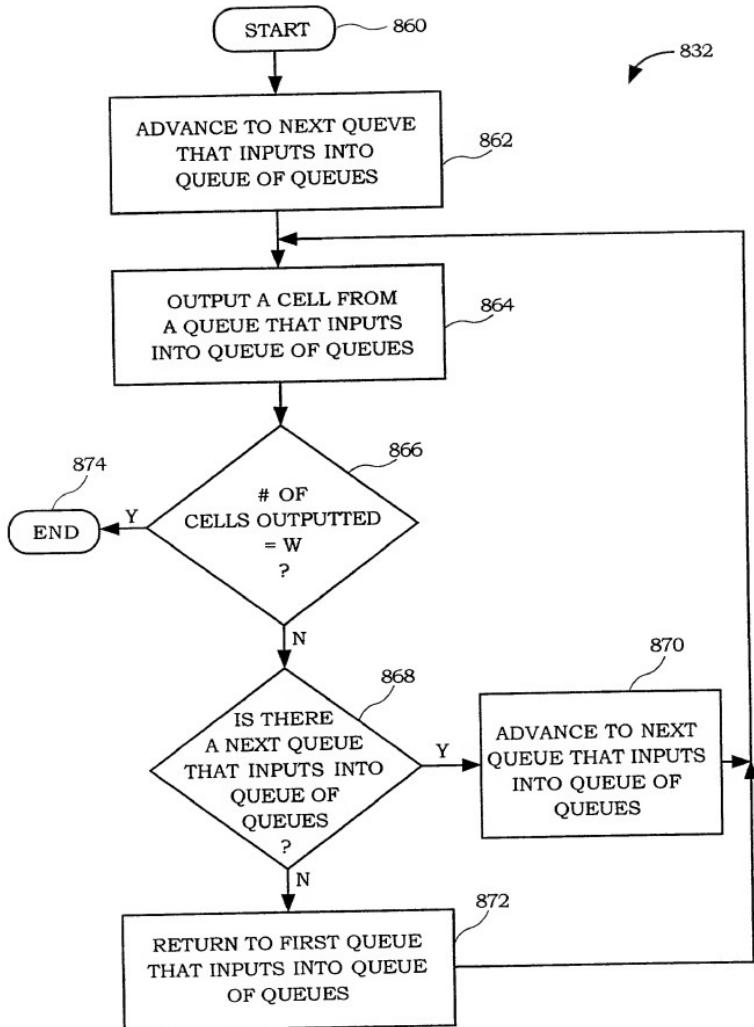


FIG. 8C

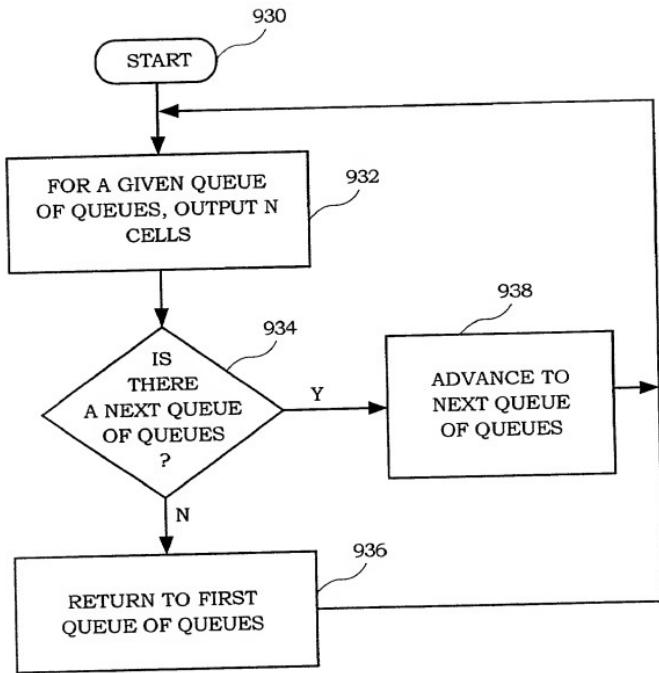


FIG. 9A

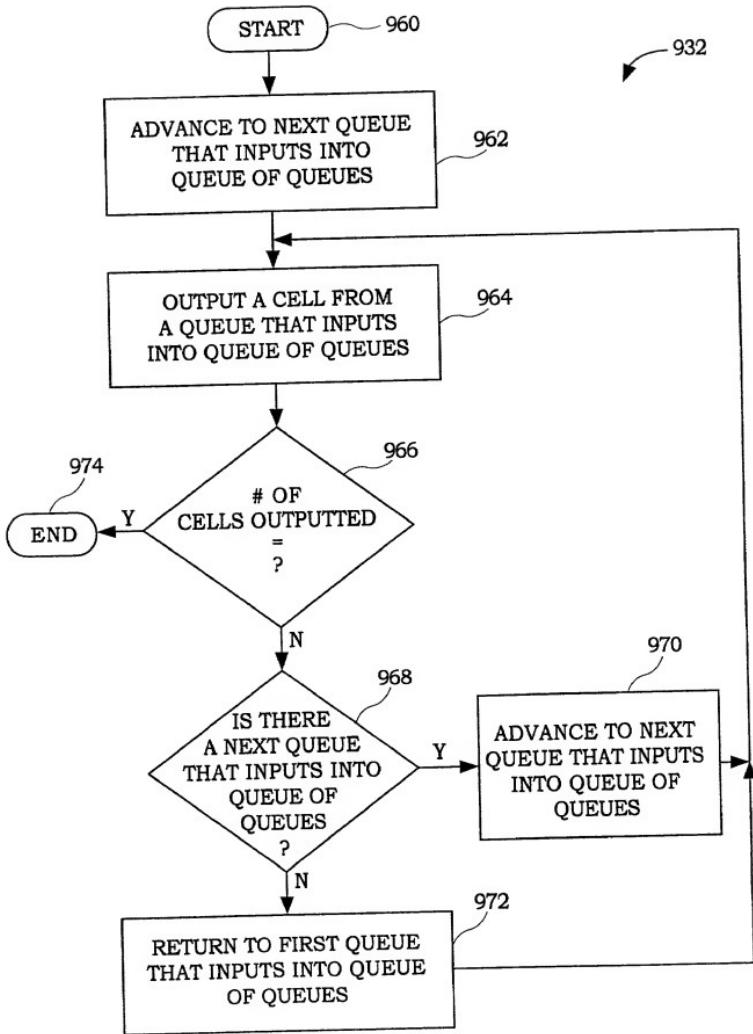


FIG. 9B

FIG. 10

Queue of Queue	Static Weight	Dynamic Weight												Row #
X	1	1	0	0	0	0	0	0	0	0	0	0	0	1
Y	2	2	2	1	1	0	0	0	0	2	1	1	0	2
Z	4	4	4	3	3	2	1	0	4	4	3	3	2	3
														4

Output	X	Y	Z	Y	Z	Z	X	Y	Z	Y	Z	Z		
	X	Y	Z	Y	Z	Z	X	Y	Z	Y	Z	Z		

Column #	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	1	2	3	4	5	6	7	8	9	10	11	12	13	14

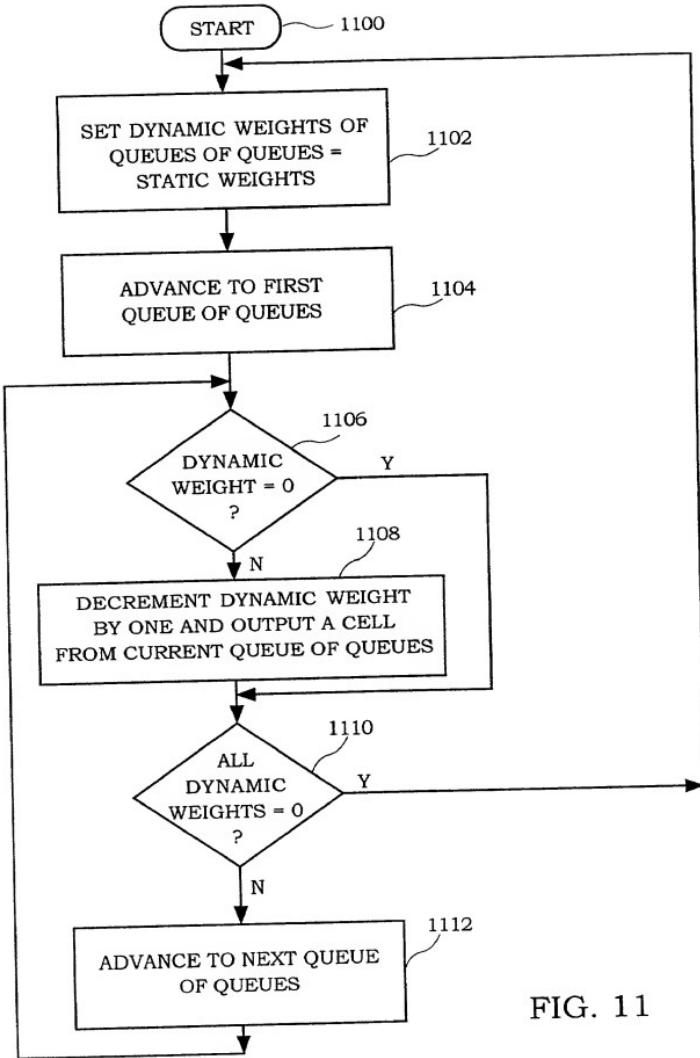
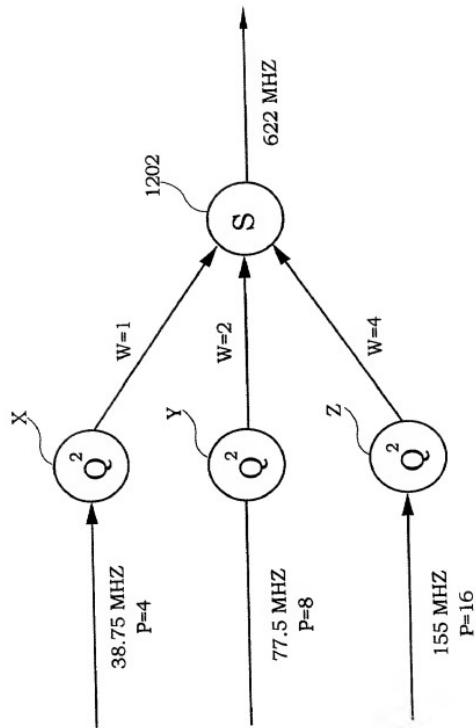


FIG. 11

FIG. 12



$\frac{1}{2} \cdot \frac{1}{2} \cdot \frac{1}{2}$

Queue of Queue	Static Period	Static Period Current Count												Row #																					
		x	y	z	x	y	z	x	y	z	x	y	z																						
x	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0	15	14	13																
y	7	6	5	4	3	2	1	0	7	6	5	4	3	2	1	0	7	6	5																
z	3	2	1	0	3	2	1	0	3	2	1	0	3	2	1	0	3	2	1																
Output																			4																
Column #		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

FIG. 13

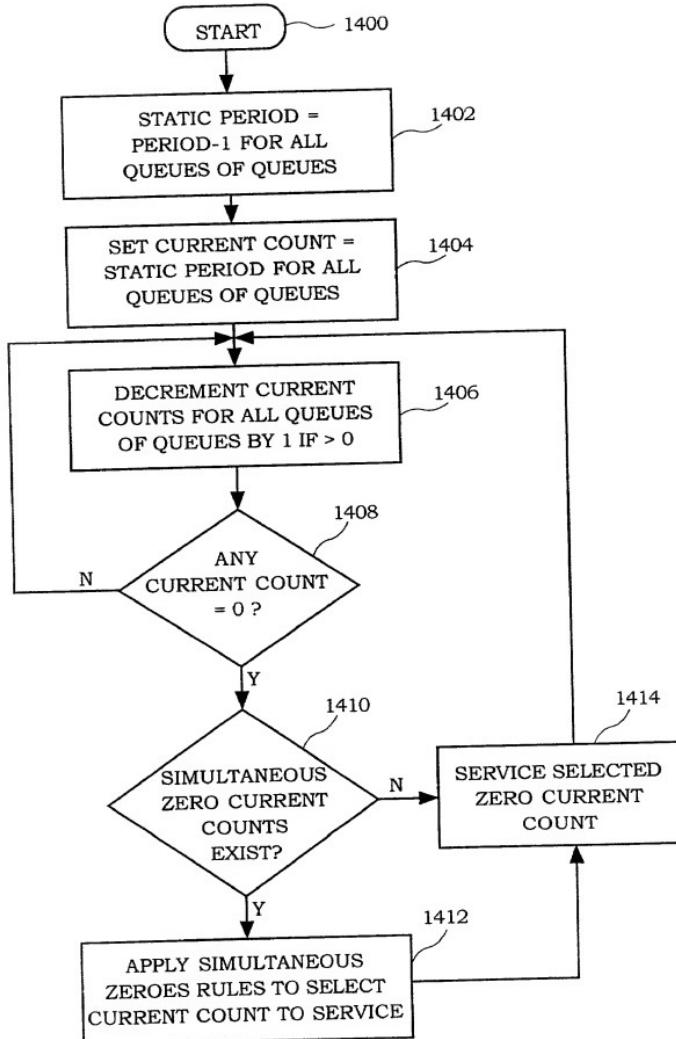


FIG. 14

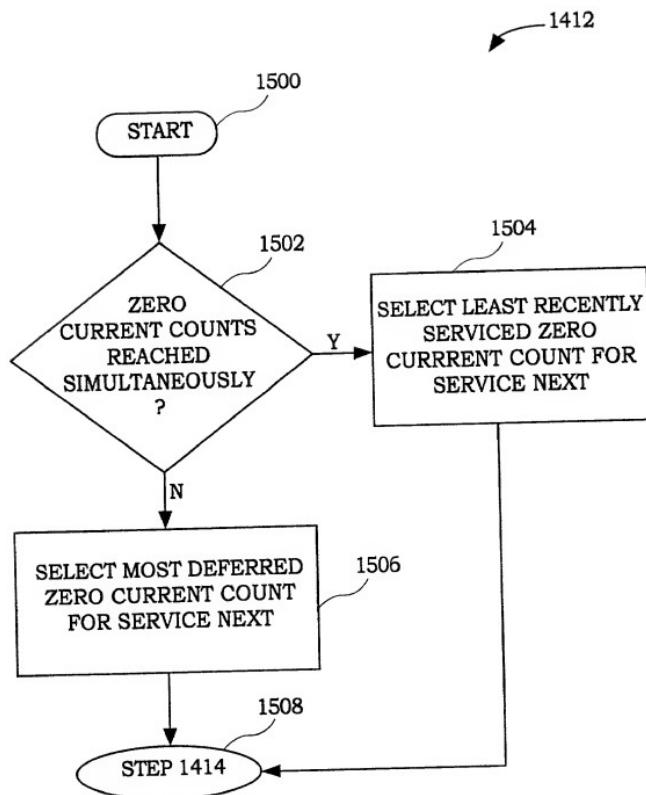


FIG. 15

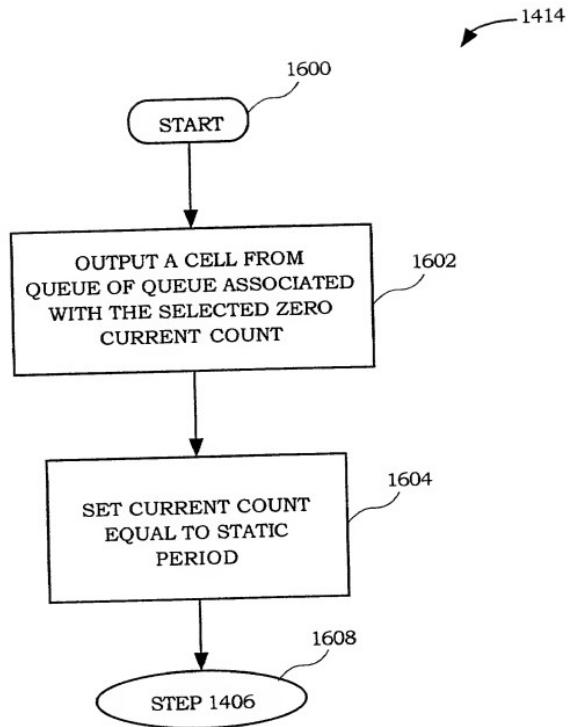


FIG. 16

FIG. 17

Queue of Queue	Static Period	Static Period Current Count												Row #								
		x	y	z	x	y	x	z	x	y	x	z	x									
X	1	0	1	0	0	1	0	0	1	0	1	0	1	0								
Y	3	2	1	0	3	2	1	0	3	2	1	0	3	2								
Z	3	2	1	0	0	3	2	1	0	3	2	1	0	3								
														4								
Output		x	y	z	x	y	x	z	x	y	x	z	x									
Column #	c1	c2	c3	c4	c5	c6	c7	c8	c9	c10	c11	c12	c13	c14	c15	c16	c17	c18	c19	c20	c21	c22